Please amend the Specification as follows:

TITLE

DETECTING A 'NO TOUCH' STATE OF A TOUCH SCREEN DISPLAY

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BACKGROUND OF THE INVENTION

This disclosed embodiment relates to a touch-screen display system for generating pixel coordinate estimates responsive to a user touching (pressing a key on) a display screen, and more particularly relates to improving the efficiency of generating such pixel coordinate estimates through enhanced techniques of calibration and validation of the estimates.

In a typical touch-screen display system, an x-axis coordinate position is sampled and then a y-axis coordinate position is sampled to indicate a pixel location where a user has touched the display screen. If the samples are corrupted by noise or by drift of some parameter of the system, then these samples yield an incorrect indication of where the user has touched the display screen.

Typically, the system is controlled to insert timing delays into the sampling process to allow the various x-axis and y-axis drivers to settle out as they are switched back and forth between x and y so noisy estimates are avoided.